

342/70-72  
342/82-85  
342/94-103  
342/128-137  
342/192-196

|   | Search Terms | Total | USPAT | US:PGP | EPO | JPO | Derw |
|---|--------------|-------|-------|--------|-----|-----|------|
| 1 | 342/100      | 98    |       |        |     |     |      |
| 2 | 342/101      | 68    |       |        |     |     |      |
| 3 | 342/102      | 91    |       |        |     |     |      |
| 4 | 342/103      | 124   |       |        |     |     |      |
| 5 | 342/128      | 551   |       |        |     |     |      |
| 6 | 342/129      | 159   |       |        |     |     |      |
| 7 | 342/130      | 77    |       |        |     |     |      |
| 8 | 342/131      | 140   |       |        |     |     |      |
| 9 | 342/132      | 253   |       |        |     |     |      |

No text available to display

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| L1    | 29821   | Pulse and radar   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:36 |
| L2    | 24127   | First same second same frequency same (multiple or submultiple or sub-multiple or multiple) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L3    | 59654   | Pulse same control same delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L4    | 317     | 1 and 2 and 3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L5    | 1098158 | gate or gating  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L6    | 238     | 4 and 5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L7    | 5371044 | distance or range   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:37 |
| L8    | 224     | 6 and 7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/23 06:38 |

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| L9  | 763561 | modulate or modulated or modulating<br>or modulation or modulator                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/23 06:38 |
| L10 | 170    | 8 and 9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/23 06:43 |
| L11 | 48     | 10 and @ad<="20031009"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/23 06:52 |
| L12 | 5939   | ((342/70-72) or (342/82-85) or<br>(342/94-103) or (342/128-137) or<br>(342/192-196)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/23 06:52 |
| L13 | 3422   | 12 and @ad<="20031009"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/23 06:52 |

# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

**SERIAL NUMBER**

10809461

## **EAST SEARCH**

EAST: search history attached

Search terms:

Pulse and radar

First same second same frequency same (multiple or submultiple or sub-multiple or multiple)

Pulse same control same delay

Gate or gating

## **IEEE SEARCH**

Search terms:

Pulse and radar and frequency and (multiple or submultiple or sub-multiple or multiple) and control and delay and (Gate or gating)

1. **Radar range tracker using adaptive switching model**  
Leung, S.W.  
Electronics Letters  
Volume 28, Issue 12, 4 Jun 1992 Page(s):1133 - 1135
2. **Pulsed radar return from a chaff cloud**  
Winchester, T.A.  
Radar and Signal Processing, IEE Proceedings F  
Volume 139, Issue 4, Aug 1992 Page(s):315 - 320
3. **Adaptive target tracking algorithms for airborne ultrasonic rangefinders**  
Sabatini, A.M.  
Radar, Sonar and Navigation, IEE Proceedings -  
Volume 142, Issue 2, Apr 1995 Page(s):81 - 87
4. **Radar processing gain improvement over frequency using the discrete wavelet transform**  
Noonan, J.P.; Marquis, D.A.  
Aerospace and Electronic Systems, IEEE Transactions on  
Volume 35, Issue 1, Jan 1999 Page(s):363 - 368
5. **Digital implementation issues in a pulse compression radar system**  
To, S.; Siahmami, B.; Sciacca, L.

Information, Decision and Control, 1999. IDC 99. Proceedings. 1999  
1999 Page(s):181 - 186

**6. Using hardware gating to improve antenna gain measurements in compact antenna range**

Odendaal, J.W.; Joubert, J.  
Electronics Letters  
Volume 35, Issue 22, 28 Oct 1999 Page(s):1894 - 1896

**7. An ultrafast all-optical gate**

Lattes, A.; Haus, H.; Leonberger, F.; Ippen, E.  
Quantum Electronics, IEEE Journal of  
Volume 19, Issue 11, Nov 1983 Page(s): 1718 - 1723

## INSPEC SEARCH

Search history:

| No. | Database | Search term  | Info added since | Results |  |
|-----|----------|--|------------------|---------|--|
| 1   | INZZ     | Pulse AND radar AND frequency AND (multiple OR submultiple OR sub-multiple OR multiple) AND control AND delay AND (Gate OR gating) | unrestricted     | 0       |  |

## IP.COM SEARCH

Search terms:

Pulse and radar and frequency and (multiple or submultiple or sub-multiple or multiple) and control and delay and (Gate or gating)

Result # 1      Relevance: ○○○○○○

What Can Be Automated?: The Computer Science and Engineering Research Study (COSERS)

1980-01-01      IPCOM000128748D      English (United States)

It is truly difficult to capture with a single question the essence of research in a diverse and very active area of science and technology, but the query in the title comes very close. This questions was first posed by the late Professor George Forsythe of Stanford ...

Result # 2      Relevance: ○○○○○○

CCD transversal filter using weighted input (USH0000609)

1989-03-07      IPCOM000000605D      English (United States)

An analog transversal filter includes a charge transfer delay line, including a plurality of cells for storing electrical charge, and a multiphase clock to transfer electrical charge from cell to cell through the delay line. A plurality of injection ...

Result # 3      Relevance: ○○○○○○

The ENIAC: First General-Purpose Electronic Computer

1981-10-01                      IPCOM000129377D                      English (United States)

[Figure containing following caption omitted: Note. Arthur Burks's research and writing for this paper have been supported by NSP Grant No. MCS 78-26016. Alice Burks has contributed substantially to research of the historical documents, to analysis and organization of the ...

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Result # 4      Relevance: 

A History of the Information Processing Techniques Office of the Defense Advanced Research Projects Agency

1992-10-01                      IPCOM000127913D                      English (United States)

This report has been sponsored by the Computing Systems Technology Office and the Software and Intelligent Systems Technology Office of the Defense Advanced Research Projects Agency, and has been prepared under NASA-Ames Research Grant NAG 2-532, subcontract USC/PO 473764. ...

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Result # 5      Relevance: 

Converter (USH0000335)

1987-09-01                      IPCOM000000334D                      English (United States)

An electrical power converter comprising two current-fed square wave chops the outputs of which are combined and rectified to yield a variable and regulated output voltage. The phase relationship of the choppers are varied to achieve output voltage control ...

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Result # 6      Relevance: 

MOBIDIC and Fieldata

1987-03-31                      IPCOM000129536D                      English (United States)

Toward the end of World War II, the promise of digital computing was recognized by many people, and work at such U.S. academic centers as the University of Pennsylvania, Princeton, Harvard, and MIT had excited a great deal of interest. Much of this early exploratory work was ...

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Result # 7      Relevance: 

SUBMICRON SYSTEMS ARCHITECTURE

1982-12-31                      IPCOM000127926D                      English (United States)

This document reports the research activities and results for the period October 1 1981 - October 15 1982 under the Defense Advanced Research Project Agency (ARPA) Submicron Systems Architecture Project. The central theme of this research is the architecture and design ...